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Département à La Haye Division de la recherche

Weiss, Wolfgang, Dipl.-Chem. Dr. Weickmann & Weickmann Patentanwälte Postfach 86 08 20 81635 München ALLEMAGNE

E 4. AFR 2001 / WW datur Date 3 0. 03. 2001

Zeicher/Ref./Réf. 22972P EP-W0

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
Bayer Corporation

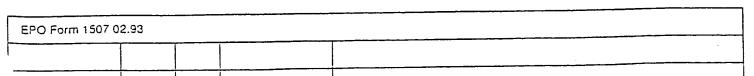
COMMUNICATION

Anmeldung Nr/Application No/Demande n°. Patent Nr /Patent No/Brevet n°. 98963809.3

ine Europ	ean Patent Office nerewith transmis
	the European search report
	the declaration under Rule 45 EPC
, ,⊏	the partial European search report under Rule 45 EPC
X	the supplementary European search report concerning the international application under Article 157(2) EPC relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed.
	enciosed.
The follow	ng specifications given by the applicant have been approved by the Search Division :
	Abstract Title Figure
	The abstract was modified by the Search Division and the definitive text is attached to this communication.
	The following figure will be published with the abstract, since the Search Division considers that it better characterises
	the invention than the one indicated by the applicant.
	Figure:
\mathcal{A}	Additional copy(copies) of the documents cited in the European search recort.
Ч	SASCHES PATERE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 98 96 3809 shall be considered, for the purposes of subsequent proceedings, as the European search report

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not comp	ch Division considers that the present ily with the EPC to such an extent that d out, or can only be carried out partial earched completely:	application, or some or all of its claims, does/ a meaningful search into the state of the art co lly, for the following claims:	do annot	
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	ot searched:			
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Alt tre EPC	atment of the human,	are directed to a meth /animal body (Article 52 een carried out and base compounds.	(4)	
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O : non-written disclosure P : intermediate document

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T: theory or principle underlying the invention

L: document cited for other reasons

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The European Patent Office herewith transmits

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Datum/Date

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Zeichen/Ref./Réf. 22976 EP-WO Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. $98963810\cdot 1$ Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation

COMMUNICATION

	the European search report
	the declaration under Rule 45 EPC
	the partial European search report under Rule 45 EPC
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Application Number

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		oceedings, as the European search	report	
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see	sheet C			
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X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with another ment of the same category notogleat background	T: theory or principle E: earlier patent doc after the filing date her D: document ched in L: document ched to	underlying the ument, but publice the application of other reasons	nvention shed on, ar
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EPO FORM 1503 03.82 (PO1C20)



INCOMPLETE SEARCH SHEET C

Application Number

EP 98 96 3810

Although claims 15-23 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.

Claim(s) searched completely: 3,7,8,17,20,

Claim(s) searched incompletely: 1,2,4-6,9-16,18,19,21-25

Reason for the limitation of the search:

Present claims 1,2,4-6,9-16,18,19,21-25 relate to an extremely large number of possible compounds. Support within the meaning of Article 84 EPC and/or disclosure within the meaning of Article 83 EPC is to be found, however, for only a very small proportion of the compoundsclaimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of the examples, and those according to claim 3 wherein B is a defined group.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 96 3810

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Département à La Haye Division de la recherche

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Weickmann & Weickmann
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81635 München
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27. DRZ. 20.3

27.54Z.20.3 23.6. WW 1) ha

Datum/Date

2 1 12. 2000

Zeichen/Ref./Réf. 22970PEPW0/WWhh	Anmeldung Nr./Application No./Demande 98965981.8	n°/Patent Nr./P	atent No/Brevet n°.	v	
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation		· ·			

COMMUNICATION

The E	игоре	n Patent Office herewith transmits
		the European search report
		the declaration under Rule 45 EPC
		the partial European search report under Rule 45 EPC
	\boxtimes	the supplementary European search report concerning the international application under Article 157(2) EPC
		relating to the above-mentioned European patent application. Copies of the documents cited in the search report are
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The fo	llowir	specifications given by the applicant have been approved by the Search Division:
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		Abstract Title Figure The abstract was modified by the Search Division and the definitive text is attached to this communication. The following figure will be published with the abstract, since the Search Division considers that it better characterises
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SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent ConventionEP 98 96 5981 shall be considered, for the purposes of subsequent proceedings, as the European search report

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Category	Citation of document with i of relevant pass	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
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Χ	pharmacodynamic stu substituted carboxa nervous system"	DDETTE: "Comparative ddy of variously mides o the central 982), 40(4), 339-50,	37	
	XP000943598 see compound 884			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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The su	applementary search report has lid available at the start of the sea	peen based on the last set of claims vali	d	
INCO	MPLETE SEARCH			
not compl be carried	ly with the EPC to such an extent that out, or can only be carried out partial.	application, or some or all of its claims, does a meaningful search into the state of the art ally, for the following claims:	/do cannot	
Cialliis Se	earched completely :	·		
Claims se	earched incompletely :			
Claims no	ot searched:	•		
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	or the limitation of the search: Sheet C			
366	ineer c			
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	Place of search MUNICH	Date of completion of the search 12 December 2000	Scr	exammer ruton-Evans, I
X : part Y : part doct A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with and ument of the same category inological background—written disclosure rmediate document	E : earlier patent do after the liling de ther D : document cited L : document cited f	cument, but publi ite in the application or other reasons	ished on, or

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EPO FORM 1503 03.82 (P04C20)



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X	GRANT, A. M. ET AL: "Hypotensive thiadiazoles" J. MED. CHEM. (1972), 15(10), 1082-4, XP000944187 see compound 27	55	
X	KUBO, HIROSHI ET AL: "Herbicidal activity of 1,3,4-thiadiazole derivatives" J. AGR. FOOD CHEM. (1970), 18(1), 60-5, XP000943800 see Type II Table II	55	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 96 5981

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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P.B.5818 – Patentlaan 2 2280 HV Rijswijk (ZH) = +31 70 340 2040 TX 31651 epo nl FAX +31 70 340 3016 Europäisches Patentamt

Zweigstelle in Den Haag Recherchen-

European Patent Office

Branch al The Hague Search division Office européen des brevets

Département à La Haye Division de la recherche

Weiss, Wolfgang, Dipl.-Chem. Dr. Weickmann & Weickmann Patentanwälte Postfach 86 08 20 81635 München ALLEMAGNE

Weickmann & Weickmann

E 8 AUG. 2002

Frist:
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Datum/Date
07.08.02

Zeichen/Ref./Ref.

25679P EP-WO

Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 00903239 . 2-2103-US0000648

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Bayer Corporation

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

T title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

NONE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent ConventionEP 00 90 3239 shall be considered, for the purposes of subsequent proceedings, as the European search report

	DOCUMENTS CONSIDE	RED TO BE RELEVANT		
Category	Citation of document with income of relevant passa	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.C1.7)
Х		MACIA & UPJOHN COMPANY, 1999-04-29) nd in particular,	1-59,61	C07D211/78 C07D211/72 A61K31/33 A61K31/54 A61K31/535
X	2-(5H)-furanone thro cleft-type receptors TETRAHEDRON LETT. (1 6947-6950 XP002205797	on of pyrrolldine to bugh chromenone s" 1996), 37(38),	1-59,61	A61K31/17 C07C275/20 C07C275/22 C07C275/24 C07C275/28
	abstract and compo	unds 9 and 10		
X	in particular, the lines 10-19, 23-25,	995-09-05) 1-5 and the examples; compounds in column 7, 29-32, 36 and 37 and	1-59,61	
	examples 2,4,5 and	6		TECHNICAL FIELDS SEARCHED (Int.CI.7)
		-7	-	C07C C07D A61K
The s	supplementary search report has bind available at the start of the sea	een based on the last set of claims varch.	alid ————————————————————————————————————	
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not com	rch Division considers that the present ply with the EPC to such an extent that ad out, or can only be carried out partia searched completely:	application, or some or all of its claims, doe a meaningful search into the state of the ar ity, for the following claims:	es/do nt cannot	
Claims :	searched incompletely :			
Claims	not searched:			
Reason	for the limitation of the search:			
see	e sheet C			
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		Date of completion of the search		Examiner
	Place of search		1 .	renzo, M.J.

EPO FORM 1503 03.82

CATEGORY OF CITED DOCUMENTS

particularly relevant if taken alone
 particularly relevant if combined with another document of the same category

A: technological background O: non-written disclosure P: intermediate document

earlier patent document, but published on, or after the filing date
 clocument cited in the application

L: document cited for other reasons

& : member of the same patent family, corresponding document

PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 00 90 3239

	DOCUMENTS CONSIDERED TO BE RELEVANT		APPLICATION (IntCI.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Χ	US 4 973 675 A (ISRAEL, MERVYN ET AL) 27 November 1990 (1990-11-27) *abstract; columns 1 and 2 and in table 1, the urea derivative AD 334*	1-67	
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; YAGI, TOSHIHIKO ET AL: "Silver halide photographic material containing phenolic cyan coupler and colorless cyan coupler" retrieved from STN	1-59,61	
	Database accession no. 113:142130 XP002205798 *in particular compound with rn:129093-98-7* * abstract * & JP 02 023337 A (KONICA CO., JAPAN) 25 January 1990 (1990-01-25)		TECHNICAL FIELDS SEARCHED (Int.CI.7)
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MIZUKURA, NOBORU ET AL: "Silver halide color photographic material containing a cyan coupler of 2-ureido-phenol type to improve dye developability and remove leuco cyan dye" retrieved from STN Database accession no. 113:106314 XP002205799	1-59,61	
	in particular, compound with rn:129093-98-7 * abstract * & JP 02 022650 A (KONICA CO., JAPAN) 25 January 1990 (1990-01-25)		- %
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PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 00 90 3239

[OCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (IntCI.7)
ategory	Citation of document with indication, where appropriate, of relevant passages	Relevant to ctaim	
(DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US;	1-59,61	
	JEFFCOAT, A. ROBERT ET AL: "The metabolism and toxicity of halogenated carbanilides. Biliary metabolites of 3,4,4'-trichlorocarbanilide and 3-trifluoromethyl-4,4'-		
	dichlorocarbanilide in the rat" retrieved from STN Database accession no. 87:62295 XP002202286		
	* abstract * & DRUG METAB. DISPOS. (1977), 5(2), 157-66		TECHNICAL FIELDS SEARCHED (Int.CI.7)
	compounds with rn:63348-38-9 and 63348-30-1		
	WO 99 32463 A (BAYER CORPORATION) 1 July 1999 (1999-07-01) * page 1 - page 5; claims 1-21; tables 1-5 *	1-67	
X	WO 95 33458 A (SMITHKLINE BEECHMAN CORPORATION) 14 December 1995 (1995-12-14) * page 1 - page 4; claims 1-13 *	1-67	
A	WO 00 41698 A (BAYER CORPORATION) 20 July 2000 (2000-07-20) * page 1 - page 8; claims 1-37; tables 1-7	1-67	
-	*		

INCOMPLETE SEARCH SHEET C

EP 00 90 3239

Although claims 62-67 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out in the extent mentioned below and based on the alleged effects of the compound/composition.

Claim(s) searched completely: 60,61,66 and 67

Claim(s) searched incompletely: 1-59 and 62-65

Reason for the limitation of the search:

Present claims 1-59 and 62-65 relate to an extremely large number of possible compounds, compositions and methods of treatment using these compounds. In fact, the claims contain so many options that lack of clarity (and conciseness), lack of support in the description and insufficiently disclosure (Art. 83 and 84 EPC) arise to such an extent as to render a meaningful search of the claims impossible. The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. Some of the documents retrieved are mentioned in the search report. Therefore, a meaningful search over the whole breath of the claims is impossible.

Consequently, the search has been carried out for those parts of the application which do appear to be clear and supported in the description, namely the examples in tables 1-7. The search has been carried out for compounds of the general formula (I) with B= phenyl moiety substituted in meta by t-Bu or CF3; A= Cy-L-Cy-G1, wherein Cy= cyclic moiety, L= linker of up to 20 atoms and G1=SO2Rx, C(0)Rx or C(NRy)Rz.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 90 3239

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JP	2023337	-A	25-01-1990	NONE		
JP	2022650	Α	25-01-1990	NONE		
WO	9932463	A	01-07-1999	AU CA DE EP ES JP WO	1939999 A 2315715 A1 1042305 T1 1042305 A1 2154252 T1 2001526276 T 9932463 A1	12-07-1999 01-07-1999 19-04-2001 11-10-2000 01-04-2001 18-12-2001 01-07-1999
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international application No

PCT/US98/10375

CLASSIFICATION OF SUBJECT MATTER IPC(6) :A61K 31/34, 31/38, 31/40 US CL :514/423, 445, 475 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/423, 445, 475 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) search terms: formulae within table 3 and arthritis, inflammation. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category* 1-16 TARZIA, G. et al. Synthesis and antiinflammatory properties of Y some pyrrolo(1H,3H)[3,4]pyrimidin-2-ones and pyrrolo(1H,3H)[3,4d] pyrimidin-2-ones and pyrrolo(1H,6H)[3,4-d]pyrimidin-2-ones. Chemical Abstracts. 27 August 1979, Abstract No. 74558p; page 594. See patent family annex. Further documents are listed in the continuation of Box C. later document published efter the international filing date or priority Special categories of cited documents: date and not in conflict with the application but cited to understand nt defizing the general state of the art which is not or ٠٨. the principle or theory underlying the invention to be of particular relevance document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step earlier document published on or after the international filing date ·E· when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other ment of particular relevance; the claimed invention cannot be considered to involve an inventive stap when the document is combined with one or more other such documents, such combination special reason (as specified) document referring to an oral disclosure, use, exhibition or other .0. being obvious to a person skilled in the art document published prior to the international filing date but later than mont member of the same patent family the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 03 SEP 1998 13 AUGUST 1998 Authorized officer Name and mailing address of the ISA/US Commissioner of Patents and Trademarks THEODORE J. CRIARES Box PCT Washington, D.C. 20231 (703) 308-1235 Telephone No.

(703) 305-3230

Facsimile No.

A. CLASSIFICATION OF SUBJECT MATTER						
IPC(6) :Please See Extra Sheet.						
US CL: Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols)						
U.S. : 5	U.S.: 514/363, 371, 407, 415, 422, 426, 427, 438, 444, 447, 448; 548/128, 196, 365.7, 491, 527, 532; 549/59, 69, 71; 564/48					
Documentati	ion searched other than minimum documentation to the	extent that such documents are included	in the fields searched			
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C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
Y	WO 96/40673 A1 (SUGEN INC) 19 D 1-14, 16-19; page 88, lines 1-17.	1-17				
Y	Database CA on STN, EP 676395 A2 No. 124:86809, KLEEMANN et al., thienylcarbonyl)guanidines as sodium-lantiarrhythmic agents, and cell prolification Wild, 17 July 1996.	1-14				
A	US 5,597,719 A (FREED et al.) 28 Ja	1-17				
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Furth	ler documents are listed in the continuation of Box C	See patent family annex.	-			
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Commission Box PCT	Washington, D.C. 20231					

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C. DOCUMENTS CONSIDERED TO BE RELEVA	ANT					
	there appropriate, of the relevant passages	Relevant to claim No.				
USA), pages 741-742, column KUJUNDZIC, N. 'Synth	, 25 May 1992 (Columbus. OH, 2, the abstract No. 214456r, nesis of 8-methyl-1,2,3,4-ne-2,4-diones. Croat. Chem. Acta.	1-4				
A US 3,754,887 A (BRANTLEY document, especially column 1.	(2) 28 August 1973, see entire	31-36				
CoA:Cholesterol O-Acyltransfera J. Med. Chem. 25 October 199	WHITE et al. Heterocyclic Ureas: Inhibitors of Acyl-CoA:Cholesterol O-Acyltransferase as Hypocholesterolemic Agents. J. Med. Chem. 25 October 1996, Vol. 39, No. 22, pages 4382-4395, especially pages 4387-4389.					
X Further documents are listed in the continuation of	of Box C. See patent family annex.					
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	
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x ·	WO 97/40028 A1 (VERTEX PHARMACEUTICALS INCORPORATED) 30 October 1997, see entire document, especially pages 11, 12, 16, 22 and 24, compound 85.	66-70, 77
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A. CLA	SSIFICATION OF SUBJECT MATTER							
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	ms: arthritis, atheriosclerosis, furyl, isoxazolyl, py	ridine.						
	CUMENTS CONSIDERED TO BE RELEVANT		 ;					
Category*	Citation of document, with indication, where a	ppropriate, of the relev	ant passages	Relevant to claim No.				
Α	US 5,319,099 A (KAMATA et al.) document.	07 June 1994.	See entire	1-16				
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P° doe	cument published prior to the international filing date but later than priority date claimed		per of the same patent	į.				
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Box PCT		THEODORE J. C	RIADES O	Tec 1				
washingtor Facsimile N	n, D.C. 20231 No. (703) 305-3230		,					
" TORRITHE [A	0. (100) JUD-JEDU	Telephone No. (70	13) 308-1235					

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(6) :A61K 31/415, 31/38, 31/385, 31/35				
US CL :514/407, 438, 442, 473 According to International Patent Classification (IPC) or to both national classification and IPC				
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C. DOC	UMENTS CONSIDERED TO BE RELEVANT	***************************************		
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Category*	Citation of document, with indication, where ap	propriate,	of the relevant passages	Relevant to claim No.
A	US 5,319,099 A (KAMATA et al.)	07 Ju	une 1994, see entire	1-41
	document.		,	
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Furt	her documents are listed in the continuation of Box C	:. []	See patent family annex.	·
• 51	pocial categories of cited documents:	*T*	later document published after the int date and not in conflict with the app	ernational filing date or priority lication but cited to understand
	ocument defining the general state of the art which is not considered be of particular relevance		the principle or theory underlying the	
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	ocument which may throw doubts on priority claim(s) or which is ited to establish the publication date of another citation or other		when the document is taken alone	
	pecial reason (as specified)	·Y.	document of particular relevance; the considered to involve an inventive	step when the document is
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22 MAR	22 MARCH 1999			
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1	on, D.C. 20231 No. (703) 305-3230	Telepho	ne No. (703) 308-1235	

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :C07C 275/24 C07D 213/02, 333/02; A61K 31/17, 31/38, 31/44 US CL :514/352, 438, 482; 546/309; 549/29; 564/47 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum do	cumentation searched (classification system followed	by classification symbols)	
U.S. : 514/352, 438, 482; 546/309; 549/29; 564/47			
Documentati	on searched other than minimum documentation to the e	xtent that such documents are included in	n the fields searched
NONE			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS COMPUTER SEARCH 1966-TO DATE			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X	US 5,429,918 A (SETO et al) 04 July	1995, column 4, compound	1-7
Y	(A-14).	-	1-7
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	pecial categories of cited documents:	*T* later document published after the initiate and not in conflict with the app	ternational filing date or priority
-A- de	ocument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying th	e invention
.E. e	arlier document published on or after the international filing date	"X" document of particular relevance; it considered novel or cannot be considered when the document is taken alone	ered to involve an inventive step
31	ocument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other pecial reason (as specified)	Y* document of particular relevance; il	e iten when the document is
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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Authorized officer ZINNA N. DAVIS			
1	Facsimile No. (703) 305-3230 Telephone No. (703) 308-1235		

International application No. PCT/US98/26082

CLASS	SIFICATION OF SUBJECT MATTER			
	207D 231/38, 403/12, 409/12, 333/36, 307/66			
US CL :S	48/368.4, 364.7; 549/59, 549/69, 549/473, 549/480 International Patent Classification (IPC) or to both national	classification and IPC		
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U.S. : 5	48/368.4, 364.7; 549/59, 549/69, 549/473, 549/480			
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C. DOC	UMENTS CONSIDERED TO BE RELEVANT			Relevant to claim No.
Category*	Citation of document, with indication, where appropri	ate, of the relevant passag		
	US 5,162,360 A (CRESWELL et al.) 10	November 1992, co	ol. 2,	1-8, 24-25
X	lines 1-67, col. 3, lines 1-50, examples 22	23.	1	
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•	Special categories of cited documents:	date and not in conflict the principle or theory t		
A	document defining the general state of the art which is not considered to be of particular relevance			a slaimed invention cannot be
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A. CLASSIFICATION OF SUBJECT MATTER IPC(6)::C07D 273/00, 275/00; A61K 31/17 US CL::564/52, 53, 54, 55; 514/596, 598 According to International Patent Classification (IPC) or to both national classification and IPC				
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Please See Extra Sheet.				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.	
Y	US 3,151,023 A (MARTIN) 29 document.	September 1964, see entire	1-22	
Y	US 3,200,035 A (MARTIN ET AL document.) 10 August 1965, see entire	14-22	
x	US 3,230,141 (FRICK ET AL.) document.	18 January 1966, see entire	14-22	
x	US 4,405,644 A (KABBE ET AL.) document.	20 September 1983, see entire	1-22	
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Furthe	r documents are listed in the continuation of Box (C. See patent family annex.		
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A. CLASSIFICATION OF SUBJECT MATTER			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAS ONLINE, REGISTRY, HCAPLUS search terms: cancer, raf kinase			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
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Y	WO 98/52558 A1 (BAYER CORPOR (26.11.98) especially Tables 1-4, page	RATION) 26 November 1998, ges 65-76.	1-67
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Y,P	Database HCAPLUS, DN 131:73649, pyrazolyl aryl ureas and related inhibitors.' Abstract, WO 99/32110 document.	compounds as P38 kinase	1-67
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	cial categories of cited documents: ument defining the general state of the art which is not considered	"T" later document published after the inte date and not in conflict with the applica	tion but cited to understand the
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"O" document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive combined with one or more other such being observed to be a compared to the such being observed to the such being observe	documents, such combination
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	7.1
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X	Database HCAPLUS, DN 127:293717, KURIK M.V. et al. 'Optical properties of segmented oligourethane with azomethine terminal fragments.' Abstract, Vysokomol. Soedin. 1996, Vol. 38, No. 12, pages 2038-2041, especially RN# 197149-54-5.	1-48,60 and 61
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INTERNATIONAL SEARCH REPORT

national application No. PCT/US00/00768

IPC(7) :A61K 31/535, 31/50, 31/445, 31/40, 31/40, 31/34, 31/17 US CL :Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/235.5, 237.2, 252.13, 253.01, 331, 345, 350, 416, 417, 428, 471, 596, 597, 598 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Extra Sheet.			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No.	\neg		
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December 1995 (14.12.95), see pages 1-11 and the claims.			
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Further documents are listed in the continuation of Box C. See patent family annex.			
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International Application No PCT/US 02/12064

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D213/75 C07D217/22

A61K31/44

A61K31/47

CO7D401/12 A61P29/00

C07D215/38

C07D403/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 CO7D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MUIJLWIJK-KOEZEN, J.E. ET. AL.: "Isoquinoline and Quinazoline Urea Analogues as Antagonists for the Human Adenosine A3 Receptor." JOURNAL OF MEDICINAL CHEMISTRY, vol. 43, no. 11, 2000, pages 2227-38, XP002147879 Table 1, compounds 8a, 8b, 8d	20,21, 25,28, 29,32,33
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority daim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X .	CARLING, R.W. ET. AL.: "1-(3-Cyanobenzylpiperidin-4-yl)-5-methyl- 4-phenyl 1,3-dihydroimidazol-2-one: A Selective High Affinity Antagonist for the Human Dopamine D4 Receptor with Excellent Selectivity over Ion Channels" JOURNAL OF MEDICINAL CHEMISTRY, vol. 42, no. 14, 1999, pages 2706-15, XP001093697 Table 2, compound 7		20,21,28
X	US 4 279 639 A (OKAMOTO ET. AL.) 21 July 1981 (1981-07-21) examples 5-8		20,22
X Y	WO 99 32463 A (BAYER CORPORATION) 1 July 1999 (1999-07-01) page 4, line 28 -page 7, line 17; claims		1,2,6,7, 9,11-15, 28,29,32 1-39
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A	DUMAS, J. ET. AL.: "1-Phenyl-5-pyrazolyl Ureas: Potent ans Selective p38 Kinase Inhibitors." BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, vol. 10, 2000, pages 2051-4, XP004208309 tables 1-3		1-39
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A. CLASSIFICATION OF SUBJECT MATTER 1PC 7 CO7D213/40 CO7D401/12 A61K31/4725 A61K31/47

C07D215/38 A61P43/00

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According to International Patent Classification (IPC) or to both national classification and IPC

Minimum documentation searched (classification system followed by classification symbols)

C07D A61K IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BEILSTEIN Data, WPI Data, EPO-Internal, CHEM ABS Data, PAJ

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	WO 99 32436 A (BAYER AG) 1 July 1999 (1999-07-01) see general definitions on pages 2-6, especially definitions of A, R4' and R5' and R3-6 as X-Y and examples.	1 1,2,4,5, 9-26
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	J) 20 July 2000 (2000-07-207) see description, pages 2-6, examples and claims 7,8	
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Y Further documents are listed in the continuation of box C.	Y Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but later than the priority date claimed	T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family Date of mailing of the international search report
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Scruton-Evans, I

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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